

ABSTRACT

An injection module assembly includes a fuel rail defining a passageway through which a fuel can flow, and a plurality of fuel injectors for delivering the fuel in the passageway to a respective plurality of combustion chambers in an internal combustion engine. The fuel injectors are coupled to the fuel rail such that an interface between the fuel rail and each fuel injector is substantially sealed to substantially prevent leakage of both liquid fuel and hydrocarbon emissions from the interface. The injection module assembly further includes an electrical connector coupled to the fuel rail and to each of the injectors for providing electrical power to each injector, and an overmolding covering at least a portion of the fuel rail, at least a portion of the electrical connector, and at least a portion of each fuel injector.

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